## 'Seventy Percent Solution' Gets Governors' Go-ahead

riversity governors have voted rwhelmingly in support of the 'seventy percent solution' to ease student overcrowding and adjust the undergraduate/graduate student ratio on campus (6 November).

The University was "designed for

20,000 to 25,000, not 30,000," President Myer Horowitz told the governors. The University could handle 50,000 students, he suggested, but only with resources "of an entirely different order" than those available now.

But are we using our resources to

their best advantage, challenged Al Hiebert.

Dean Terry White (Arts) pointed out in response that registrations in his faculty have risen from 55,000 in 1980, to 82,000 this year, with no new buildings to house this increase. "We were told to prepare

for a bulge," the dean commented. "It's hard now to tell the bulge from the mass."

Classes of 300 are not unusual, he added. With those numbers, regular written assignments simply have to be replaced by multiple-choice exams, and teacher-student interaction is difficult, if not impossible. "Our faculty requires two new buildings—and hundreds of additional faculty members," he told Mr. Hiebert.

The decision to raise the minimum entrance requirement to 70 percent for Alberta grade 12 hopefuls (effective next fall) was carried 12-2, with Mr. Hiebert and Robert Heyworth, who teaches chemistry and physics at Paul Kane High in St. Albert, voting against the motion.□

# FOLIO

University of Alberta

12 November 1987

# University to Challenge Human Rights Law Dickason Case

The University of Alberta will take a section of Alberta's human rights protection law to court, President Myer Horowitz announced at the 6 November meeting of the Board of Governors.

Last month, a provincial board of inquiry decided that the University's compulsory retirement (at 65) was "contrary to law" and that the mandatory retirement of Olive Dickason (History) was against *The Canadian Charter of Rights and Freedoms*.

Terming the matter "one of the most important to come before the

board" in years, Dr. Horowitz emphasized that the decision was not intended to underplay the inquiry board's ruling in the Dickason case. "The University will always respect the decisions of the courts," he said. But the human rights board decision could affect "universities generally, and employers more generally." Hence the decision to appeal.

With two abstentions, the governors voted to support the court challenge, after in-camera discussion that lasted almost an hour and a half. □

# Future of Farming Subject of Lecture

John Oliver, past chairman of the Crop Protection Institute of Canada, will address the issue of farming's future (24 November).

His talk, titled "Farming's Future—Economic Stimulator or Social Problem," is part of the University of Alberta 75th Anniversary lectures sponsored by the Alberta Research Council.

Mr. Oliver, who grew up on a mixed farm near Napanee, Ontario, graduated from Ontario Agricultural College in Guelph. He is a vice-president of Lilly Canada Inc.

His lecture takes place at 4 p.m., in L-1 Humanities Centre.  $\Box$ 



John Oliver

#### Dentistry Puts Teeth Into Behavior Code

Gross professional misconduct has been defined by the University's Faculty of Dentistry, the first faculty on campus to draw up specific faculty offences for inclusion in the proposed new code of student behavior.

Deliberate falsifying of patient records, financial records of patient treatment procedures, misrepresentation of that treatment to insurance plans, and "careless or negligent behavior resulting in unnecessary physical and/or mental harm to patients" are included in the definition of "gross professional misconduct."

The proposals, endorsed earlier this year by General Faculties Council, will now be considered by the Board of Governors.□

## Contents

- Rasmussen receives 3M Fellowship
- Polish Culture Society donates books
- International students subject of survey
- 'Activities'



University of Alberta

## Safety on Campus Committee Would Like Help With Catalogue

In January 1987, the Council on Student Services established a sub-committee, Safety on Campus Committee (SOCC).

The committee catalogues existing student safety programs on campus, assesses the need of other safety programs for students, and recommends to the Council on Student Services on the content and delivery of such programs.

SOCC has prioritized a number of safety programs: 1) Date Rape, 2) Safe Sex, 3) Sexual Assault

Awareness, 4) Safe Drinking, 5) Safety at Night, and 6) Safe Property.

In order to establish a catalogue of current safety programs and services on campus, SOCC invites anyone who is offering programs or services related to any of these safety themes to contact Natalie Sharpe at 432-4145 (300 Athabasca Hall).

SOCC would like to thank those who have already responded to this request.

## 'Teach Students About Your Research!' Urges 3M Teaching Fellow

Ray Rasmussen (Business) has been selected as a 1987 3M Teaching Fellow, and is one of 10 such Fellows (chosen from among nominations from universities across Canada) to receive the award sponsored by the Society for Teaching and Learning in Higher Education and 3M Canada Inc., and created in 1986 to "reward and enhance teaching at Canadian universities".

In addition to receiving a citation of excellence "as an outstanding contributor to instruction in Canadian universities", 3M Fellows attend a three-day (all expenses paid) seminar at Chateau Montebello, in Quebec Province, 8 to 10 November, "to celebrate outstanding achievements in teaching and to seek strategies for expanding the impact of successful teachers". Fellows are also eligible for "post-seminar support for collaborative projects".

The seminar is a "kind of think tank session", Dr. Rasmussen says, and he hopes that a Canada-wide project, with pooled resources, will result. "The Vice-President (Academic) has already indicated some level of support for a

reasonable project."

Dr. Rasmussen, who has written "quite a lot about the philosophy of teaching", and also gives seminars on the teaching-learning processes for the Committee for the Improvement of Teaching and Learning instructors' program, believes passionately that it's the instructor's responsibility to motivate students to learn, and enjoy learning.

"You can teach any discipline boringly. Or you can make it exciting so that it touches students and makes them want to learn and find out more.

"Instructors should tell students about the research they are doing, and get them involved in it. I've polled students and discovered that many second-year students have no idea what their various professors are doing in the way of research.

"Given that we like to think of ourselves as an elite research institution, that makes me wonder.

"Research is the excitement of a professor's life and he should pass that on to his students. I don't think our students can understand anything we teach unless we teach them about our research very early on. If they don't understand what research is, then all that stuff they learn by rote in survey courses is just a waste of time.

"In any case, we should dump all introductory survey courses. The survey course has become so big, it forces superficial rote learning which dampens students' enthusiasm for the course, the discipline, and the university in general.

"What pleasure is there in taking a 20-chapter introductory textbook, and doing a chapter a week? What can a student think deeply about at that rate? We're just teaching rote, and modelling rote. And we undermine the whole university by doing it.

"The survey course should be changed into one where we say, 'There are 30 topics we could teayou, but we're just going to teach three of them, randomly selected. We're going to spend four weeks on each, and do a little bit of research to give you the flavor of the research associated with the discipline.'

"We're in danger of building robotic responses to all of our courses. There's too much training and mechanistic practice. That should change.

"We should be having a romance with the subject.

"What we need to do is to bring romance and mystery back to the classroom."□

## Subrogation of Benefits -Support Staff

The following statement was submitted by Personnel Services and Staff Relations.

The University of Alberta, through the provisions of the collective agreement, administers income loss replacement plans (Special Leave, General Illness, Long Term Disability, Workers' Compensation). In this regard, employees injured in motor vehicle accidents (MVA) resulting in time lost from work are covered by the general illness provision.

Personnel Services and Staff Relations is making a concerted effort to ensure that insurance claims include lost wages when the other party has been at fault in the MVA. These claims may also include potential earnings, i.e., overtime or shift differential the employee could have expected to realize during the period of absence.

The employer also suffers a loss. First and foremost is the loss of the employee's services. Second is the maintenance of the employee on full salary. Third is the additional

cost of having the injured worker's responsibilities completed through overtime by existing staff or by employing temporary staff. In these circumstances the Universis entitled to recover its loss through the subrogation of benefits.

Subrogation is a device adopted by equity to compel ultimate discharge of an obligation by a person who in good conscience ought to pay. In other words, a third party who causes and deprives the University of the services of one of its employees through his action, is liable. In this respect, employees who lose time from work as a result of a MVA when another party is at fault, will be expected to file a claim for lost wages and benefit costs. Any recovery is to be assigned to the University.

Please call Louise Walden, Information Systems Manager, Personnel Services and Staff Relations, at 432-5399, to obtain further information regarding this service.

# **FOLIO**

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All enquires and correspondence should be directed to: Ron Thomas Editor

Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.



University of Alberta

#### Deadline

Notices of coming events: 9 a.m. three weeks in advance of desired publication date.
Classified advertisements: 3 p.m. one

week in advance of desired publicaiton date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

The editor reserves the right to select, edit and position submitted copy. Views expressed in *Folio* do not necessarily reflect University policy.

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## Palaeontology for a Sunday Afternoon

Phillip Currie, assistant director of the Tyrell Museum of Palaeontology, will speak on campus Sunday, 22 November.

Dr. Currie has just returned from the Gobi Desert where he and a team of experts have made discoveries that seem likely to change our perceptions of dinosaurs. His lecture (L-1 Humanities Centre, 2 p.m) is his first public engagement since his return.

The Friends of the University of Alberta Museums are bringing Dr. Currie to campus in conjunction with their first membership meeting of the season.

Admission is free and everyone is welcome.  $\Box$ 

## Juno Award Spices Forsyth Saga

The Juno Awards, essentially the main of rock and country and estern stars, have sometimes gone to overnight sensations who waltz off the stage and aren't heard from again (which may be just as well).

At least one of the 1987 winners is no flash in the timpani. That would be Malcolm Forsyth, who, since taking up a pen in 1963, has composed more than 70 pieces of serious music.

Dr. Forsyth and Donald Steven of McGill University were declared co-winners in the best classical music composer category at the awards ceremony in Toronto on 2 November. The Junos are the top prizes that the Canadian recording industry has to offer.

Dr. Forsyth was nominated by CARAS (Canadian Academy of Recording Arts and Sciences) for "Atayoskewin: Suite for Orchestra." The work, commissioned by Shell Canada, was recorded and released last November.

While pleased by the turn of events, Dr. Forsyth hasn't placed his Juno in a vault like some

mpic gold medalists have been .swn to do. The symbol of recording excellence will "lie in state" in the Music Department's general office for a time, and then be placed on the piano in his studio

The Juno has the potential to make a fine career even finer. When the powers that be meet to commission a work, or plan a concert, or bandy recording projects about, Dr. Forsyth's name will most certainly be mentioned more readily than it would have been before Juno night.

This year marked the advent of a classical music category (the Junos were first awarded in 1980), and Dr. Forsyth, while laughingly admitting that he was out of his element at the ceremony, feels that the addition of the category will do wonders for those Canadians who compose (and who aspire to compose) classical music. Dr. Forsyth says he knew nothing of Donald Steven's music until the evening of 2 November. "Canadian composers are in the dark about what their peers are doing. It's like

8th century when Bach waked all the way to Hamburg or wherever it was he walked to to hear another composer. It's much easier to read about Canadian composers than it is to hear their work," he says.

All praise to Juno for helping to change that.

Canada's classical music pulse is

strong. "All that was lacking was recordings and a significant body of recorded work has been produced in the last few years," Dr. Forsyth says

The Forsyth oeuvre contains numerous works for orchestra ("I understand the orchestra and know how to write for it as well as anyone, I think"), some children's music ("I think that's important"), and a little background music for plays. He doesn't often write anything longer than 20 minutes ("I have no intention of writing a requiem mass"). Dr. Forsyth, who has been on the Music Department's faculty since 1968, would like to try his hand at writing vocal music and music for modern dance.

The South African-born



Malcolm Forsyth

composer/musician (he's played trombone for the Edmonton Symphony Orchestra) hasn't forgotten his first composition in Canada. "Sketches From Natal," written in 1970, was his first attempt to inject some African music elements into his style. "I still identify strongly with it. It's a style which I've continued with."

### CARAVAN to Visit Campus a Second Time

The CARAVAN sale of Third World handicrafts-sponsored annually on campus by World University Service of Canada (WUSC)-will be held on Thursday and Friday, 19 and 20 November, in the Gallery Lounge, HUB Mall, 10 a.m. to 4 p.m.

This is CARAVAN's second visit to campus this year. Its first appearance early this month was just an appetizer, and gave only a suggestion of the range and types of articles that will be offered for sale next week.

Most of the items (colorful, useful, or simply decorative, and ideal for gifts) are handmade by workers' cooperatives and/or refugees in Third World countries and are marketed on Canadian university campuses by WUSC volunteers.

"This is your opportunity to do your gift shopping and make a contribution to social justice at the same time," says Susan Belcher El-Nahhas, vice-president of the WUSC local committee

As part of a larger ("Just Christmas") sale, CARAVAN will also be at Knox Metropolitan Church (84 Avenue and 109 Street), Saturday, 28 November, 10 a.m. to 4 p.m.

For more information, call 432-4377.

## Computing Services Research Data Library Awarded SSHRC Grant

The Research Data Library has been awarded a grant of \$5,940 by the Social Sciences and Humanities Research Council of Canada.

The library will use the money to design and develop an on-line subject index for the series of six national election studies conducted in Canada since 1965. This computer-searchable index will include the complete set of questionnaire items and corresponding variable identifiers from each of the election surveys.

The resulting index will be made available on-line at our University and distributed in both machine-readable and printed form to social science researchers across Canada.

The Research Data Library, which contains a large collection of machine-readable data, is located in 1-56C Tory Building. All holdings of the library may be searched through the University Library's Public On-line Catalogue.

## Library's Polish Collection Makes a Significant Gain

On 3 November, the University Library hosted a reception honoring the Polish Culture Society for donating more than 100 books dealing with Polish culture and history

Myer Horowitz gave the welcome, including a brief greeting in Polish. Kasia Zoledziowska, president of the Polish Culture Society, made the official presentation of the donation on behalf of the Society, and Peter Freeman accepted on behalf of the Library.

Shortly thereafter, Robert Busch, chairman of the Department of Slavic and East European Studies announced the donation of \$5,000 by the Central and East European Studies Society of Alberta to establish an endowment for the purchase of Slavic library materials in honor of the late Michael Klefter.□



Mr. Freeman, Dr. Busch, Ms. Zoledziowski, Dr. Horowitz and Alan Rutkowski (Slavic and East European Studies librarian) take a reading on the donation.

# Marked Decline in International Student Enrolment Furrows Brows of University Officials

"International students," that is, those students who possess a valid Canada Immigration Student Authorization and are neither Canadian citizens nor permanent residents, constitute a substantial and important component of Canadian universities. Their importance is evident from their contributions to their host universities and communities while in Canada and from their attitudes to and continuing relationships with Canada and Canadians upon completion of their degree programs. International students may also provide Canadians with a better understanding of the students' home countries.

Consequently, the decline in enrolments of international university students from 36,074 in 1982-83 to 26,679 in 1986-87 can be viewed with some concern, especially as this trend runs counter to the general increases in Canadian university enrolment and the enrolment of international students in many other countries. Nevertheless, in 1986 Canada was in the top five receiving countries for international university students along with France, Germany, the United Kingdom, and the United States. Hong Kong, Malaysia, and the United States are currently the three major home countries of international university students in Canada. Across Canada, 36 percent of these students in 1986-87 were female, and about 33 percent were graduate students. In comparison, for the total Canadian university student population, 50 percent were female, and 12 percent were graduate students.

In 1986-87, the University of Alberta ranked fourth in Canada in total international students, but eighth in terms of percentage of full-time international student enrolment. The information provided above, together with common complaints about immigration procedures, government policies, tuition fees, and financial hardship, has concerned many university officials and members of the Canadian Bureau for International Education. Partly in response to these concerns, the University of Alberta Council on Student Services recommended that the Office of Institutional Research and Planning undertake a survey of our international students. The Dean of Student Services officially made this request in 1986, with the main objectives of the survey being to

describe characteristics of our international students, to probe perceptions of their problems, to ascertain the extent to which they used university facilities and services and their assessment of their value, and to identify areas where improvements could be made. The survey was conducted by Wendy Bryan. Questionnaires were sent in December 1986 to 1,577 eligible international students enrolled at the University of Alberta. A total of 797 usable questionnaires were returned, for a response rate of 50.5 percent. The questionnaire responses were analyzed, resulting in the Report of the Survey of International Students at the University of Alberta, Winter Session 1986-87, recently released by the Office of Budget and Statistics. (This Office was created on 1 July 1987 by merging the Office of Institutional Research and Planning with the Budget Planning Office.) Copies of the report have been distributed to central administrators, deans, associate deans, chairmen, and other relevant persons both on and off

#### **Survey Results**

Because 59 percent of the international students who responded were graduate students (and graduate students make up 49 percent of the University of Alberta international student population), a moderate bias exists in the data Two thirds of the respondents were males; they constituted 56 percent of the undergraduate respondents and 76 percent of the graduate respondents. The mean age of the respondents was 27 years, with 71 percent being less than 30. Students from 74 of a possible 91 countries responded, speaking 72 different languages or

Hong Kong, with 27 percent of the respondents, remained by far the largest source of international students. The People's Republic of China (12 percent), Malaysia (5 percent), the United States (4 percent), England (3 percent), and Singapore (3 percent) were the next most common home countries.

Half of the graduate students and 7 percent of the undergraduates were married: two thirds of their spouses were living in Edmonton, and 26 percent of all spouses were also students at the University of Alberta. Two thirds of the 24 percent who were

married had one or more children. Just over half lived in a University residence, in particular, HUB (49 percent of the undergraduates and 27 percent of the graduates) and Michener Park (23 percent of the graduates). The departments with the most international students, based on the respondents' information, were Chemistry (7.5 percent of all international students), Computing Science (6.5 percent), Economics (5.4 percent), Civil Engineering (5.1 percent), and Electrical Engineering (5 percent). The most common degree programs for the University of Alberta international students were PhD (36 percent of respondents), BSc (24 percent), and MSc (14 percent).

One third of the respondents, mostly graduate students, reported being employed prior to coming to the University of Alberta. However, 80 percent of the undergraduates and 13 percent of the graduates had come to us from another post-secondary institution or secondary school within Canada. The reasons that respondents perceived as "very important" in their decision to study here were program availability and the quality and reputation of the University of Alberta. Undergraduates tended to receive their financial support from parents and guardians, whereas graduates relied mostly on graduate assistantships. With respect to costs, repondents considered that tuition fees, books, groceries, eating out, accommodation, transportation, entertainment, and clothing were more expensive than in their home countries: about 9 percent to 15 percent rated these cheaper in . Canada.

The most frequently mentioned problems encountered by the respondents before arrival in Canada were the length of time taken to receive mail, and obtaining a Student Authorization. After arrival, the problems most frequently encountered were coping with academic and other stress, dealing with loneliness, coping with the difficulty of academic work, coping with the weather, and making friends with Canadians. Some respondents described in considerable detail their experiences and emotional problems, especially those related to being alone in a large, strange

Students also provided information about their awareness

and use of various campus facil. and services. While the use made was less than might be hoped, those who had used these facilities and services tended to view them as being either of "some help" or "a lot of help." Being met at the airport was deemed to be of very great value in helping to adjust to life in Edmonton. Considerable interest was expressed in attending workshops on résumé writing, job searches, and job interviews.

Slightly over one half planned to return to their home countries after completion of their current degree programs. About a quarter planned to undertake further studies.

The students were also asked to rate the importance of several ways that Canada could help to provide educational opportunities for non-Canadians. The highest importance was assigned to provision of more scholarships and awards, removal of differential fees, allowing students to work while here (either during study or for a short while after graduation), allowing spouses to work while here, and providing more opportunities for exchange scholars.

General comments about the international student experience, the survey and other related matters were made by 187 respondents. Many appreciated the opportunity to study in Canada and the work of University of Alberta officials. However, a clear message was presented—greater attention to administrative details at both the government and university levels and to the human and financial needs of international students would lead to a more mutually satisfying experience.

The report provides a broad base of information but does not present any specific recommendations because formulation of such recommendations is the responsibility of administrators and committees. For some matters, the report may contain sufficient information to allow recommendations to be made. For other matters, additional research and analysis will probably be required.\*

\*This article was submitted by Wendy Bryan and Ted Holdaway who wrote the report in association with Wilf Allan. Comments and questions on the survey and related matters should be directed to Mr. Allan, Director of International Student Affairs.

## WISEST Schedules First Meeting of Winter Term

WISEST (Women in Scholarship, Engineering, Science and

nnology), a committee of the Vice-President (Research), was established in March of 1982 by J. Gordin Kaplan. It has 24 members, including scientists, engineers, scholars, educators and students from the University of Alberta, Athabasca University, the Alberta government and the private sector.

The mandate of the committee is to initiate action to increase the representation of women in all

fields of scholarship. WISEST undertakes many projects and programs, the summer research program for high school students being one example. Several young women have chosen post-graduate education in engineering and science because of their summer experience.

WISEST co-sponsors visits to campus by women scientists and engineers (Ursula Franklin, a distinguished engineer from the University of Toronto, spent two weeks here last February and

organized conferences and informal meetings with women in non-traditional occupations).

The UAYs (University of Alberta Women in Science and Engineering) is a group which resulted from an initiative of WISEST. It has begun as a support and networking group for all women undergraduates, graduate students, post-doctoral fellows, researchers and staff in the sciences and engineering at the University. Anyone who is interested, be they male or female, is most welcome at any of the meetings of the group, and to be on the mailing list for the newsletter. The UAYs, which meets monthly during winter term,

has held panel discussions on topics such as "Coping with a family and a career," "Gender role development" and "Women in non-traditional occupations," as well as informal discussions and workshops. Visiting speakers have included Evelyn Fox Keller, MIT; Rose Sheenen, University of Toronto; Rosalyn Yalow, Nobel laureate, and Ursula Franklin.

The first meeting for this academic year will be held on Wednesday, 18 November, in CW-410 Biological Sciences Centre from noon to 2 p.m. Bring your lunch; coffee and juice will be provided. All interested people are welcome.

### Alberta Ag-Industries Ltd. **Funds Cattle Nutrition Research**

Funding for cattle nutrition research here has risen by \$16,000. Dwight Smith-Gander, general manager of Alberta Ag-Industries Ltd. of Westlock, has seen to it personally.

Mr. Smith-Gander and his wife were the guests of the Department of Animal Science; when they made the donation at the Faculty Club recently

Iohn Kennelly (Animal Science) ed the Smith-Ganders that the funding "will allow us to continue our research into nutritive value of silages prepared in various ways, and will be to the eventual advantage of the whole cattle feeding industry.

Alberta Ag-Industries Ltd.

specializes in the marketing and distribution of silage bags-the large, tube-like, heavy-duty plastic bags used for keeping wet forage under air-tight conditions.

The current donation follows a donation of \$12,000 from Alberta Ag-Industries to the Deparment of Animal Science in support of research into the storage of high moisture barley. That donation had qualified for matching by the Alberta Agricultural Research Trust.

The \$16,000 donation, eligible as it is for double matching by the provincial government, means that a total of \$48,000 could become available for the University's forage research program.



#### Campus Reviews

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews (PACCR), the Department of Technical Services is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee. In preparation for this second phase, PACCR invites written comment prior to 27 November.

Submissions are for the use of the Unit Review Committee and will be held in confidence by the members of that committee. Submissions should be sent to: Mrs. Shirley Moore, Coordinator, PACCR Office, W4-13 Chemistry Building, Attention: The Technical Services Unit Review Committee

#### Chair Selection Committees, Faculty of Science

The Faculty of Science announces that Chair Selection Committees have been established to select Chairs for the following departments: Computing Science, Genetics, and Physics. These committees are prepared to receive nominations and comments from members of the University community; these should be addressed to Dr. W. John McDonald, Dean of Science.

#### Learning Disabilities Association to Meet

The Learning Disabilities Association of Alberta will convene its 10th annual conference at the Westin Hotel, 19 November. The conference, which

continues through 21 November, will address three basic subjects: screening, advocacy, and programming for the learning disabled.

Keynote speakers include Barbara Meister-Vitale and James Chalfant. Further information on the conference

can be obtained from Julie Ann LeGras at the LDAA - Edmonton Chapter, 466-1011.

Volunteers (males and females, 30 years and older) are needed for 24 hour monitoring of pH in the distal esophagus. The objective is to establish normal control data. The test, says J. Koo (Surgery), carries no risk and imposes little discomfort. Telephone 453-6512. Volunteers will be paid.

#### Woods Cree Land Use Study

The Indian Association of Alberta, in association with the Boreal Insitute for Northern Studies, proposes to initiate a comprehensive study of past and present Woods Cree land use and occupation of an extensive area of north-central Alberta

In connection with this study, researchers are being recruited to work on project components in the fields of: archaeology (prehistoric and historic); ethnohistory, history; land use studies; natural resources inventory; and legal studies (land claim eligibility).

These studies are expected to be

suitable subjects for MA and PhD research purposes, and fieldwork funding may be available. Dealine for such funds (for 1987-88) is 15 November 1987.

For further information, contact Milton M.R. Freeman, G213 Biological Sciences Building, 432-2919, 432-4682.

#### Selection Committee for Chairman of Finance and Management Science **Invites Input**

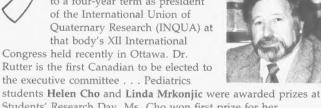
A selection committee for Chairman, Department of Finance and Management Science, has been established. Anyone wishing to make suggestions/comments to this committee should do so before 31 December 1987, by writing to R.S. Smith, Dean, Faculty of Business, 4-40 Business Building

# Activities

Nat Rutter (Geology) was elected to a four-year term as president

Rutter is the first Canadian to be elected to the executive committee . . . Pediatrics

Congress held recently in Ottawa. Dr.



Students' Research Day. Ms. Cho won first prize for her presentation on "The Effect of Maternal Tuberculosis (TB) Immunity on the Efficacy of BCG Vaccination in Infants." Ms. Mrkonjic's second prize presentation concerned "The Nutritional Value of Human Milk After Treatment to Prevent HIV Transmission" . . . Carole Kanchier (Educational Psychology) nas published Questers, a self-help career book . . . Graham Peacock (Art and Design) was the leader of the "Thupelo" (teach by example), a workshop for black artists hosted by the Johannesburg Art Foundation, Johannesburg, South Africa. The Edmonton Art Gallery is holding a five-year retrospective of Professor Peacock's work from 13 November to 17 January 1988. Opening night is 27 November.

#### **Talks**

#### **CITL**

13 and 14 November. Barbara Paulson, "Stress Management and Relaxation." 225 Athabasca Hall.

18 November, 3 p.m. Darlene Davidson, "The Clinical Experience: A Key to Facilitating the Development of Competent Practitioners." 2J4.02 Mackenzie Health Sciences Centre.

19 November, 2 p.m. Jan Gelfand and Barry Tonge, "Bafa Bafa—A Cross-Cultural Simulation." 2J4.02 Mackenzie Health Sciences Centre.

23 November, 2:30 p.m. C.Y. Oh, "Preparing Effective Overhead Transparencies With Minimum Effort." B-131A Education North.

24 November, 12:30 p.m. Helen G. Ilott, "101 Ways to Make Mega Classes More Personal." TB-W2 Tory Building.

#### Canada-Korea Conference

13 November, 10 a.m. E. Waugh, "Politics and Economics of Canada."
13 November, 2 p.m. C.Y. Oh, "Politics and Economics of Korea."
14 November, 10 a.m. B.L. Evans,
"Asia-Pacific Regional Affairs."
14 November, 2 p.m. D. Young,
"Korea-Canada Bilateral Relations."
14 November, 3:30 p.m. Round-table discussion with conference participants. Chair: 5. Arntzen.
All events will be held in Alberta Room, Lister Hall. Registration fee: \$30.

#### St. Joseph's College

13 November, 2 p.m. Robert Sheard, "The Historicity of Religious Truth." Faculty Lounge, St. Joseph's College.

#### Zoology

13 November, 3:30 p.m. Dan Ware, Pacific Biological Station, Fisheries and Oceans, "The Impact of Climate Variability on Marine Fish Stocks." M-149 Biological Sciences Centre.
20 November, 3:30 p.m. P. Davies, Department of Biochemistry, Queen's University, "The Evolution of Antifreeze Proteins in Marine Teleosts." M-149 Biological Sciences Centre.

#### Slavic and East European Studies

16 November, 3 p.m. Bohdan Medwidsky, "Ems Revisited." 776 General Services Building.
23 November, 3 p.m. Marina Leont'evna

23 November, 3 p.m. Marina Leont'evna Remneva, Visiting Professor from Moscow State University, "Nekotorye osobennosti grammaticheskikh norm russkogo literaturnogo jazyka (11-17v)." 776 General Services Building.

#### University Nuclear Disarmament Organization and Canadian Physicians for the Prevention of War

16 November, 8 p.m. David Lorge Parnas, "Why Canada Should Still be Concerned About SDI." 2F1.04 Mackenzie Health Sciences Centre.

#### **Boreal Institute**

17 November, 12:30 p.m. Milton Freeman, "Whales, Inuit Tradition, and

International Relations: Bowhead Management 1977-87." 14-06 Tory Building.

#### History

18 November, noon. Hugh Wilson, "Turnabout on the Golden Chersonese: the Malays' Malaise." 2-58 Tory Building.

#### Anthropology

18 November, noon. R. Le Blanc, "Recent Discoveries in the Mackenzie Delta, N.W.T." 14-6 Tory Building. 25 November, noon. Marc Stevenson, "Archaeology and Heritage Development in an Arctic Community." 14-6 Tory Building.

#### **Forest Science**

18 November, noon. Peter Pearce, Faculty of Forestry, University of British Columbia, "Property Rights as Instruments of Natural Resource Policy in Canada." 4-1 Mechanical Engineering Building. Co-sponsored by Rural Economy.

25 November, noon. Don Thomas, Canadian Forestry Service, "Effects of Fire on Caribou Winter Range in North-Central Canada." 4-1 Mechanical Engineering Building.

#### **Computing Science**

18 November, 3:30 p.m. W.J. Kurmey, "Full Text Processing for Information Storage and Retrieval." 615 General Services Building. 25 November, 3:30 p.m. Alan K. Macworth, Computer Science, University of British Columbia, and Canadian Institute for Advanced Research, "The Logic of Depiction." 619 General Services Building.

#### **Physics**

18 November, 3:30 p.m. Martin Legare, "Symmetry Reduction and Explicit Supersymmetry Breaking." 631 Physics Building.

Building.
25 November, 3:30 p.m. A. Ghizzo,
Institut de recherche d'Hydro-Québec,
"Numerical Vlasov Stimulation of the
Stimulated Raman Scattering in
Plasmas." 631 Physics Building.

## Romance Languages and English

18 November, 4 p.m. A Feminist Symposium, featuring Gail Scott, Di Brandt, Sharon Thesen and Leona Gom. 5-20 Humanities Centre.

#### Genetics

18 November, 4 p.m. R. Day, "Repair of 0b-methylguanine in Human Cells." G-217 Biological Sciences Building. 24 November, 4 p.m. Martine Jaworski, "Genetic Epidemiology of Old Colony Mennonites." M-149 Biological Sciences Centre

## Limnology and Fisheries Discussion Group

19 November, 12:30 p.m. Annette Trimbee, Alberta Environment, "Effect of a Heavy Rainstorm on Algal Nutrient Status in Narrow and Long Lakes." M-149 Biological Sciences Centre. 26 November, 12:30 p.m. Pat Chambers, "Light and Colour and its Effect on Aquatic Plant Distribution in Prairie Lakes." M-149 Biological Sciences Centre.

#### Women's Studies

19 November, 3:30 p.m. L. Woodbridge, "Erasmus and the Total Woman." 5-20 Humanities Centre. 24 November, 3:30 p.m. F. Hare, St. Stephen's College, "Feminist Theology." 5-20 Humanities Centre. 26 November, 3:30 p.m. D. Shogan, "Gender and Moral Agency." 5-20 Humanities Centre.

#### Mathematics

19 November, 4 p.m. Charles A. Lin, McGill University, "Chaotic Behaviour in a Low-Order Atmospheric Model." 657 CAB.

26 November, 4 p.m. S. Sivaloganathan, "Conjugate Gradient and Multigrid Techniques in Computational Fluid Dynamics." 657 CAB.

#### Entomology

19 November, 4 p.m. M. Zimmermann, "Lifecycle, Population Dynamics and Prey Use of Dolomedes triton." 2-35 Earth Sciences Building.

#### **Cross Cancer Institute**

20 November, noon. Gadeski Visiting Professor Sandra M. Levy, Departments of Psychiatry and Medicine, University of Pittsburgh, "Coping Styles, Immune Functions, and Cancer." Auditorium, Cross Cancer Institute.

20 November, 3:30 p.m. Professor Levy, "Therapeutic Value of Social Support and Optimism." Auditorium, Cross Cancer Institute.

#### **Plant Science**

20 November, 12:30 p.m. T. Ashok, "Recent Advances in Techniques of Hydroponic Crop Production." 1-06 Agriculture-Forestry Centre.

#### Art History Colloquium

20 November, 3 p.m. Bridget J. Elliott, "The Visual Construction of Cultural Consensus: A Case Study of Representation of London Music Halls 1880-1914." 2-28 Fine Arts Building.

#### East Asian Languages and Literatures, Women's Studies Program and Alberta Society for Chinese Literature and Fine Arts

20 November, 3 p.m. Li Ang, novelist, author of *The Butcher's Wife* (Taiwan, 1983), "What it Means to be a Feminist Writer in China." 5-20 Humanities Centre.

## Canadian Institute of Ukrainian Studies

20 November, 4 p.m. Natalia Pylypiuk, Department of Comparative Literature, Harvard University, "Literary Criticism in Ukraine: the Current Debate." Heritage Lounge, Athabasca Hall.

#### Sociology

25 November, noon. Terry Belke, "Co-opting the Consumer: Brand Names, Soda Pop and Consumer Preference." 5-15 Tory Building.

#### **Religious Studies**

25 November, 3 p.m. Bruce Miller, "What

is the Religion of Religious Studies?"
4-29 Humanities Centre.

#### **Family Studies**

25 November, 3:30 p.m. Barb Mahaffey, "Second Time Around: Premarital Programming for Remarried." 812 General Services Building.

#### **Botany**

25 November, 4 p.m. Peter L. Achuff, "Natural Features of the Arjin Mountains Nature Reserve, Xinjiang, China." M-149 Biological Sciences Building.

#### Soil Science

26 November, 12:30 p.m. M. Rutherford, "Dynamics of Nitrogen, Microbial Biomass, and Soil Fauna in a Gray Luvisolic and a Black Chernozemic Soil Cropped to Barley." 2-36 Earth Sciences Building.

#### History

27 November, 3:05 p.m. Jim Handy, University of Saskatchewan, "The Army Against the Village: Resurgent Democracy, Military Intervention and Peasant Organization in Guatemala." 2-58 Tory Building.

#### The Arts

#### McMullen Gallery, Mackenzie Health Sciences Centre

November and December. "British Watercolours."

#### **Home Economics**

*Until 23 November*. "Babes in Thailand"—children's hats of the Hill Tribes.

#### Bruce Peel Special Collections Library

Until 27 November. "Great Scott! The Literary World of Sir Walter Scott." First and early editions of Scott's poems and novels with those of his predecessors and contemporaries, accompanied by Scott's lively comments upon them. 8:30 a.m. to 4:30 p.m. Monday-Friday (closed weekends). B7 Rutherford South.

#### **FAB Gallery**

Until 29 November. Paintings by Elmer Bischoff. Until 29 November. "Everyday Art of Central and South Asia."

#### SUB Theatre

12, 13 and 14 November, 8 p.m. Les Ballets Jazz de Montreal.
15 November, 8 p.m. "Harry and the Hendersons."
16 November, 8 p.m. Hillary Wass, "Coming of Age in the Age of AlDs.
18 November, 8 p.m. Edmonton Chamber Music Society presents "Tashi."
433-8102.
20 November, 8 p.m. "Dragnet."

20 November, 8 p.m. "Dragnet."
21 November, 8 p.m. "Raising Arizona."
22 November, 8 p.m. "The Untouchables."
23 and 24 November, 8 p.m. Rita MacNeil
and Friends in Concert.
25 November, 8 p.m. The National Ballet
School of Canada presents "Talent on

Tour." For free tickets, call 1-800-387-0785. 27 November, 8 p.m. "Full Metal Jacket."

#### Music

13 November, noon. Composition kshop—readings of new carpositions by student composers.
2-32 Fine Arts Building.
14 November, 8 p.m. "Encounters Series"—faculty, students and friends present works by Poulenc, Schumann, Cassadó, Kraft and Crumb.
Convocation Hall.
17 November, 8 p.m. Suzanne
Summerville, mezzo-soprano, with Alexandra Munn, piano, and faculty. Vocal music by Louis Spohr and Violet Archer. (Visiting Artist Series).
Convocation Hall.
22 November, 3 p.m. Recital of Canadian piano music by students of Ernesto Lejano in celebration of Canada Music Week. Convocation Hall.
22 November, 8 p.m. The University of Alberta Symphonic Wind Ensemble - Fordyce Pier, director. Convocation Hall.
24 November, 8 p.m. New Music at the University of Alberta featuring works by faculty composers in celebration of Canada Music Week. Convocation Hall.

## **Edmonton Chamber Music Society**

18 November, 8 p.m. "Tashi." 433-8102.

#### **Sports**

#### Volleyball

' 14 November, 6:30 p.m. Pandas vs. U...versity of Saskatchewan. Varsity Gym.

#### **Swimming**

14 November, 10 a.m. to 8:30 p.m. Golden Bears and Pandas - Standard Life Colleges Cup. West Pool.

#### Wrestling

14 November, 10 a.m. Golden Bear Open. Varsity Wrestling Room.

#### **Gymnastics**

15 November, 1 p.m. Golden Bears and Pandas - Champagne Classic. Varsity Gymnasium.

#### **Award Opportunities**

#### The Killam Exchange Scholarships with France

Field of Study: Open. Number: Three. Conditions: Each year the University of Alberta recommends to the Government of France three graduating students for positions as "Assistants" in either secondary or post-secondary French educational institutions. The students p. pate in this cultural exchange for ning months (October-June). The rate of pay is subsistence level; lodging and meals can often be obtained at a reduced rate. Proficiency in written and oral French is required. The applicant must be a Canadian citizen under 30 years of age and a resident of Alberta for the past five years. Donor: The Killam General Endowment Fund and the Government of France. Apply: Director of Student Awards by 1 December.

## The German Academic Exchange Scholarship

Field of Study: Open. Value: Tuition fees and living allowance for ten months beginning 1 October 1988. Number: One. Conditions: Applicants must be Canadian citizens, have a first degree by the date of tenure, not more than 32 years of age, and be sufficiently fluent in the German language. Where tenable: At a German university or an academy of art or music. Donor: The Federal Republic of Germany. Apply: By letter to the Director of Student Awards by 1 December. Letter should include academic background, study plans in Germany and projected plans after return.

## The Aileen Charlotte Driscoll Scholarship

Field of study: Education. Number: One. Value: \$3,000. Conditions: Awarded to a deserving honors student graduating with a BEd degree to allow the recipient to continue his or her studies of French in France. A condition of the award is that each recipient will subsequently teach at least one year in the Province of Alberta. Donor: Endowed by the late Aileen Charlotte Driscoll of Edmonton. Apply: Letter to Director of Student Awards by 1 December of the year prior to when the award is to be held.

#### **Positions**

The University of Alberta is an equal opportunity employer.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

#### Academic

#### Counsellor, Student Counselling Services

Applications are invited for a tenure-track position as Counsellor, with the academic rank of Assistant Professor. The successful applicant will have a PhD or equivalent degree in clinical, counselling, or educational psychology, and at least two years of experience (one year of which may have been internship) in a college or university counselling service. Duties will include personal, vocational, and academic counselling with university students and supervision of practicum students, graduate assistants, and interns. There will be opportunities to pursue research interests and conduct group sessions in study skills, test anxiety reduction, or other areas of special interest or expertise.

The appointment will be made at the

The appointment will be made at the second level of the Assistant Professor scale, at a salary of \$32,756, and is subject to confirmation of funding

subject to confirmation of funding.
Effective date of the appointment will be 1 July 1988. Application deadline is 1 March 1988.

Applicants should send *curriculum vitae* and names of three references to: Dr. Robert Fischer, Acting Director, Student Counselling Services, 102 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8.

#### Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 6 November. For a more up-to-date listing, please consult the

weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Typist III, Centre for Cooperative Education, (\$1,366-\$1,716) Secretary (Half-time), Mathematics (Applied Math Institute), (\$1,522-\$1,945) (pro-rated) Secretary (Medical) (Half-time), Department of Medicine.

(\$1,522-\$1,945) (pro-rated) Secretary (Trust), Faculté Saint-Jean, (\$1,522-\$1,945)

Departmental/Executive Secretary, Physical Plant Administration, (\$1,716-\$2,208)

Departmental/Executive Secretary, Zoology, (\$1,716-\$2,208) Security Watchman (Shift), Housing and Food Services, (\$1,226-\$1,522) Photographer I (Part-time), Office of the Dean of Dentistry, (\$763-\$948)

Ice Rink Attendant (Recurring Term),
Physical Education and Recreation
Support Services, (\$1,412-\$1,791)
Animal Technician I (Term), Biosciences

Animal Technician I (Term), Biosciences Animal Services, (\$1,580-\$2,027) Storeman II (Assistant Supervisor), Materials Management - Scheduled Distribution (\$1,716-\$2,208) Administrative Assistant I (Trust), Legal

Resource Centre, (\$1,945-\$2,510)
Biochemistry Technologist I (Trust),
McEachern Laboratory, (\$1,945-\$2,510)
Maintenance Worker II (Charge Hand),
Housing and Food Services,
(\$2,027-\$2,624)

Technologist II (Textiles), Home Economics, (\$2,115-\$2,741) Technologist II (Trust), Obstetrics and Gynaecology, (\$2,115-\$2,741) Pharmacist (Part-time), University

Pharmacist (Part-time), University Health Service, (\$2,115-\$2,741) (pro-rated)

For vacant Library positions, telephone 432-3339.

#### Advertisements

#### Accommodations available

Sale - Perfect hideaway west of city. Secluded, 1,600', cozy bungalow. For details, call Chris Tenove, 433-5664, 436-5250. Spencer Realty. Sale - Sherwood Park. Two homes.

Sale - Sherwood Park. Two homes. Good floor plans. Large yards. Immediate possession. Chris Tenove, 433-5664, 436-5250. Spencer Realty. Sale - Walk to University. Renovated

semi-bungalow in Parkallen. Four bedrooms, skylite. Chris Tenove, 433-5664, 436-5250. Spencer Realty. Sale - \$39,500. University area

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436-9591 evenings.

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\$1,080/month. 430-6196 or 441-4801.

Sale - Trees, birds, stars. Country living, all comforts. 19.5 treed acres, fenced. Separate chalet, trails and meadow. Twenty minutes west of city. Call Pat von Borstel, 437-6540, 436-5250. Spencer Realty.

Rent - University area, furnished, one-bedroom suite. Clean, quiet. 433-6024. Rent - Charming home near University and downtown. Mature trees, fenced garden, two bedrooms, den with balcony. Living, dining and family rooms. Appliances. Available January or February. \$900. 488-7627, call anytime.

Rent - Two bedrooms, two floors, great location, till August 1988. \$400. Phone soon. 465-6915.

Rent - University Avenue. Two-bedroom bungalow, large living room, fireplace. Two-bedroom suite, basement. Garage. Immediately. References. \$800. 439-9733 evenings.

Sale - Spacious, two storeys, five bedrooms, fireplaces, jacuzzi, large treed lot, greenhouse, quiet crescent, park-like setting. Ten minutes University. Andre, 439-9427, 436-5250. Spencer Realty.

Sale - Windsor Park. Well-constructed, three-bedroom bungalow in prime location. Renovated Poggenpohl kitchen, jacuzzi, two bathrooms, developed basement, double garage. \$165,000. 433-8667.

Sale - Hampton Village. Fireplace, south exposure. Offers to \$83,900. Ronn Bence, 438-5100, 436-6296. Royal LePage.

LePage.
Sale - Owners moving to California. This beautiful, four-bedroom home with main floor den and family room must be sold immediately. Lovely Riverbend location. Ann Dawrant, Spencer Realty, 436-5250, 430-6971.

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